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 <213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans  
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 <213> Aspergillus nidulans

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<400> 3418

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 <213> *Aspergillus nidulans*  
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 <213> Aspergillus nidulans  
 <400> 3421

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 <213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

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<212> DNA

<213> *Aspergillus nidulans*

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<400> 3436

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 <213> *Aspergillus nidulans*

<400> 3446

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<223> unsure at all n locations  
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<213> Aspergillus nidulans

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<211> 2630

<212> DNA

<213> *Aspergillus nidulans*

<400> 3465

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 3468

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<212> DNA  
 <213> Aspergillus nidulans

<400> 3469

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<210> 3471

<211> 496

<212> DNA

<213> *Aspergillus nidulans*

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<212> DNA

<213> *Aspergillus nidulans*

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<212> DNA  
<213> Aspergillus nidulans

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cgcaggagga aaggcatacg ctctatcccc aggttgggca gattgcatgg cacatcttct 180  
ctgatgatct ggacgacctg tgccagcttt tgtcctatta tggaacctac atcggttggtg 240  
ccctgaatcc tcctcctaga cagacttata ctataggctg atctggcgca gtggattgct 300  
tgaagcacca agttatgctg cttggctcta caccgggtga catcatgctc gggtagggttg 360  
ccactggatc accggatacg tgtcagcaag ccttgaccga gagcactttg tgaatgcccc 420  
gagcgcccat gtgaacacta tcaggactct catccatagc cctaagggca gaaccactct 480  
ttctggctcg ac 492

<210> 3475  
<211> 572  
<212> DNA  
<213> Aspergillus nidulans

<400> 3475  
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acaaaccatc tgcacgctca atctctcgag ggtatattaa agagcccaga cccacaaaga 180  
 cccattcaca gtgctttgta ggatcacggc ttccatataa tatctatctg ctctgggtgca 240  
 ctacagttga gagccgacca tttctgtttc accgatcctc aagtgactta gccgtacatg 300  
 tgaaccttg gcgctctagcg acctgcgaaa aggaccacac ctgctatgag ccgctctagaa 360  
 tattggaagg gcgcttacgt gctgcggatg caaggtcttt tgcaagcccc gacggacttt 420  
 cttacgaacg tgcccagget caggtttctct aacctgatgg ggaccctcta acaaaattcc 480  
 gcgcagatga atgcattctg gacatggact tgtcctgttg agcgccccac tgggcaactg 540  
 tcatatttaa agtgggcac c atttgcaatt cc 572

<210> 3476  
 <211> 231  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 3476  
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 cggtcagcgg aagcaggcct gtgacctgtg tacggagaga aagagggcct gttctacggg 180  
 tttgccgtgc tcggaatgtg cgatgagaaa agccgagtgc acatatcatc g 231

<210> 3477  
 <211> 504  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 3477  
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 atacggagta tttaacaata gtggttgatc ataggatgcg tgcaatatat acgatcgga 180  
 tctagatcct cagagacagg gtacgcttca aggatgaaca cggcatgac cagcttagat 240  
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 gttgagagtc ctgtacagtt tgtctgtctg agcatggctt taaagtgggg agatagacca 360  
 aacgaaggca cttatatgtg gatagaaaga tgactttgta cgtatcaagc gtattatgag 420

gcactgtcct acaggctcgt gtcggtggag tctgacccat aaaactgtaa gccgaaggta 480  
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 <211> 426  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 3478

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 cgccttacta ctcgacggaa acggtgcgct cctatgcac ttagcactct gcgtaccgct 180  
 ggcgatctca tcgtgatatg cctatgctag cgctggctctg ctccccagct tgcaatattt 240  
 ggctcggag ggatacataa catgtggagt cgcactgcc a gactgtgcat gatactaccg 300  
 gtatgaggac acatatgctg aggagagaca tagatggcct gcgcatgtgg acggacttcg 360  
 cgatcaattg gagttgcatg gacatgcatg tcacacggat tcacggttac ctgggaaaga 420  
 ggtcga 426

<210> 3479  
 <211> 265  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 3479

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 tcattctagc aagccaatta acgcgataa cagtcgtctc agacccccggg catgttctct 180  
 cccctcttgg gcggcgtaaa aaaaaagcct ttcactgcat atgatcgatc tctccgcgaa 240  
 gtatcccatc cgcagaccgt tctgc 265

<210> 3480  
 <211> 823  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 3480

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 cctgtcccgga cccagacctt cttctgccct ggcaagcgtg cgacaataaa ctttctgctt 180  
 acgcaacgta ttgcacaact ttaagatacc acgaatgatg actggctagt cccgatcgca 240  
 ctgacataac tccgtcatta acgaactagt tgagggcgga ctagggatat ggacgataag 300  
 ggttttctgca cgaagacctt catcaccggg gaggaactca ggctccagaa agcgtctccg 360  
 gtatgcccg cagcatgctg actgctgct gacaagagtc ctttctgactg ctcaataaag 420  
 tccttattct accccaatgt aatacccgct gccctacctt gtcaccggaa aaatcaacac 480  
 ctctcgtttc ttattgtgac ccccttata atggagggaa tttctgtctac tagaatggct 540  
 caacagacaa taattcgccg atgaccttaa ccagaatatt tcatgttcac gtatttttgt 600  
 gtgaaagctt ctcacagggt gcaattttct tgtagggaaa aatatttaaa gagaatggga 660  
 atcaaattcc tcatttgaaa cccctcatca ctccacaaag aacttcata aaactccaac 720  
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<210> 3481  
 <211> 623  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 3481

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 acgcagctgg ggcggttcga tctcagcctg atatagtgga attacctatg cagccagtca 180  
 gcagctgtca gccagccggc cagcaaacac cacagggccc tgagcccccg ggggcaatac 240  
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 cgtctgcgag ccagcctgca gccccgaacc aagggtgaaa acgacgacgg ccaccatcat 360  
 cgaatactta cgcgagatcc tgtcggccag gtacccgtta aagagagcac cagcccaagc 420  
 gccaaagctct agagcagaga ccagccaacc ctggatggtc gagcccatga gacttgggaa 480  
 gtggttcttg aagttctcca tcacaagcac cggggacatg actccctggt cgtatccgta 540

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accgacgaga ccgtgggggtt tct 623

<210> 3482  
<211> 800  
<212> DNA  
<213> Aspergillus nidulans  
<400> 3482

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aattgtcgta agtccatgtt taactttcat cttgccacac ctttccaagg ctactgaca 180  
aataacgtat attagcgctg gggggggcgg taaatccgag ctccgcatgg ctaatatcga 240  
tgataagaac cagaagcttg cggaggagag gaagctcccg gctaaggtgt ccaatacggg 300  
accggtctat attgccacag ctgacgcgaa acctaataatg gacttcaccg attatccatc 360  
cgattaggag acctttctcat ggccctgtta aagggatagc tctttgcggc tttttccggt 420  
gaccttcaat gtagcttccc attttttttg catgcttaca ttgtctgttt cctgctgggt 480  
caactaatag ccttcatttg gtcatecttt tccccctttt cgattactcc tagccgcggg 540  
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attattgcca ccgccccctt ttataatgtc cctacatgtc ccaccccggt tgaccaccta 720  
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<210> 3483  
<211> 552  
<212> DNA  
<213> Aspergillus nidulans  
<400> 3483

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gacagaggag agcacatata taagcatgtg acatacattg acttgtaaag agccaaacac 120  
aattatccat tcattcaacc gctatgcacc accccacatg gtcttccaca tccactgtcc 180

aaatggtggc tattgcgatc ctcgacaagt gtagctgcgc cgccaaaaat cctagacgaa 240  
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 atcacattct ggacagggac ccccgagtc acccggtac cggaccccct gacgtccttg 360  
 cgggggatat gggaagttca catgcgcca aggcattgcac cgactgccat attagggaga 420  
 ctggactcgt ttacggctag atcttgacac tcagtccat atcactgcgc ttgagctgac 480  
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 ccgaaaaaat aa 552

<210> 3484  
 <211> 1130  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 3484

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 aactctagg ccttgatggt gctggagcgg ccgaaaatgg catgaacgga ggtgggcgtg 120  
 tctcgccagg taaagatgag cggacttcgt ccaatctgtc tgattcctcc acatcagcca 180  
 agtcagcaaa ttctggagtt tcgcctacca gagataaaca tgcgatcccc cctagacaca 240  
 gcagagaagc tatacgcagc caagacagca cgacatcagc aactgcgtca tacgaaaagc 300  
 gctattcatc cgattcttat tccacagctc agtcagcaat atcacaacaa caagcagagg 360  
 gcgagtatct ccttcgagac tcaggaaatg cagagtcttc ccaagtgccca gggctcctca 420  
 acaagtcgcc cggcccaagt cgaccaagaa catcggagtg gatcggcggc atccgaagag 480  
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 cctcgcaggt cagtgcgcgc atcttctgaa ttgatcagac cgttgaatgg agccatatat 660  
 ctgtatttta acatcctaata ctttattatt tatctaaca tttcttcctt tctatacttt 720  
 ctttaatttta atttttctta tactactatt tattttcatt tattattttt catctttctc 780  
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 aatctctttt tttacttttt atcacttatc acctatcatc tcttattctc acattttttc 900

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attatatatt atccttactt ttccttacta aattttttac aactcttttc atattctcat 1020  
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<210> 3485  
<211> 400  
<212> DNA  
<213> Aspergillus nidulans

<400> 3485

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agatccatgc gcgacgggta ccgctcggac gacgaagctg ccgagacctc acgggctatg 180  
cggattatag gcgaccgtgg cacttgcata cagcttggtt atccgctcaa tggctgtaaa 240  
caaagcgcca gaccattcgc tgccggcatg aggagtatca catgggacga tgcgcttat 300  
gaatgatgag gtgctgtaat cgatgcgacg gcggagtacg tgcgataact catgagatct 360  
ccagttttgg tacttgacat gtgcactact actatggtac 400

<210> 3486  
<211> 352  
<212> DNA  
<213> Aspergillus nidulans

<400> 3486

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ctacagacgt ccctaattctc aatctgtcgt gacaccatgc gggccagaaa cttacctatc 180  
cccatatgat caagactttg cacggagtgc gggcccccta caactcgatg ccatgtatac 240  
ggcagacagt taagcgaaac cggaccgtcc cactgagcca agcgcattat gatttccgca 300  
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<210> 3487  
<211> 559  
<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 3487

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agcagcggcc catggactgg acgggctggc agaggctctc cctcatagg gagtgcggt 180  
ggctctactg agggataggg tactgctgtc taattggtag catgccctac aaatagatgc 240  
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agacttttag cggagcagtc cccactcta cgctaggcca tctggcatga acgccacatt 480  
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gtaagctctc gtatacata 559

<210> 3488

<211> 742

<212> DNA

<213> Aspergillus nidulans

<400> 3488

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aggcatcaga gcgctcaacg cttactgaga aggggaaagc gagacgacgg gtagcatggg 180  
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cgaagtctag ggtgctcgga gatagtgccg gtgccgcagt gcggtcgatt accttagtat 360  
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<210> 3489  
 <211> 921  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 3489

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 gtacgtcaat cgtgggatgg ggcgaaacgga aaatatataa cagtgttatg tggaacgcta 180  
 agaaagcgac cgcaaactga aaggggacac acggttcaag aaggttgacc tacaaggaaa 240  
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 catatatatt actcagccag gggcaatatt ttactttccc ttatataaag gctttttcca 780  
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<210> 3490  
 <211> 1497  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 3490

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 gtcttcatac cgtctcgctg gtggaggtag gcctttctat gcctgtccgg gaactatcgc 720  
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 gaaggtctga tgcattttct ccattgttgt gggggagagt agccctttat ccattgtgctt 1020  
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<210> 3491  
 <211> 341  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 3491

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aaaagagacg ggggagggccg gacaccacaca agaggacaca gggaggagca cgcagaaggc 120

caagaaccga gaacgacaca agaggagcaa cagggaacac gccgccgaag agcaacaaga 180

cacgggaaag gacaccacga agggacaggg acaacaaaga gcagagccac cccaccgcg 240

acagaccac acgagcggac aaaaaaaga cgcacgacaa gcacgagcca caggaaaaag 300

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<210> 3492

<211> 453

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 3492

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tgtaccttgg aatggagact ttccagacac gccgcgggat ttccgcatgc gcgtattcgc 180

tgagttgccg aagcctaagc tggctctgat tatgcacgac cttgttatat gatattccag 240

ccggtatcta tgaacgatga acaacagaca ctgagtcaac gtaaagattt atcctagggtg 300

gatacacgca tagtatccat gcattggcct gcatgcggcc agcagcttaa ccctcgagtc 360

tatacttctc cgctgcgatt gccaaagccga gtattgnaca ccnttagggc tgagaacgca 420

tcgggtccat gcacaactca gagtaccgct cat 453

<210> 3493

<211> 1146

<212> DNA

<213> *Aspergillus nidulans*

<400> 3493

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gcgctgagca ggagagatat tgccgaacca gcgtacagga tctcactgag aacttcgctg 180

taacctcatc catgcgata ccgtagcaga gtgtcagtg cgtgttgagc gcgtaccgct 240  
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 gaaaatgcag catctcttca gatcgaacat aggggtgggtt ggtgttacgc agcgcatggt 360  
 atagccagtg ctagtccccg cgggctcgcg catatttctt gcatgggctc gttcccccg 420  
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 aatgttccgg cgttccttc tctctcggt cctggtagat tcaatcgat ttccgggtat 540  
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 tattcacaat tctctctcac ttattcgga taccacctc cactacaccg gatctctct 720  
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 ctctcttacc cttacctaac aattcctaata ctaaccgcac tctctatct gtaactacct 1020  
 aatctccacc tcttaccaca atatcatctc tctctaccc cagcccaaata ctcttccctc 1080  
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<210> 3494  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 gacgacgtag agcagaggta ccgcgaaagc aactgcagtc aagaattgca ggggatgttc 180  
 gacggctctg ttgttgacaa acaacaacgc ttccggcgatg gccatactag cgcaagtagc 240  
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ttagatgact tcggcaacct gcacttggag aggaactttt ccgtctcaca gagcgctata 420  
 agcaagggtc aggcgcttag atccaccccg cattttctga acgacctggg gtaacagggt 480  
 caagctttgc agatgcgagg atgttgattc gctactgaga gctctcgtgt tgagagcaac 540  
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 ctggtgtggc gcccggtgcat 620

<210> 3495  
 <211> 1354  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 3495

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 atgagataaa tatagatgga aaagagttag attgagatag gtaggatgat agtaaaggag 180  
 aataaggata aatatattta gatagaacaa aagagaggaa gggaataaaa taagtataag 240  
 aaagatgttg atagagatag gaaagggata gagagattag aagaaagaag aatggaatga 300  
 aagtgtaatg atatatgtaa ggaagatagg taaggagaa agagagggta ggatgaagaa 360  
 acagataaaa gaggtgaaga aaaaggaagg taaagagcgg ttataataaa tagagtaaag 420  
 agaatgcgaa agaaaggaag ataagaagag gatagataag gagagaaagt atgataagat 480  
 ggataaaaaa agatgagttg atgaagaata gtagaaaatg tgtgaaaagt gatgagaagt 540  
 ataaaaaagt taaatgagag agagtgaag aaggggggta aggaaaaata aggataaata 600  
 gcaagagaga gaaagtagag aaagatagtg taataaaaaa ggaagtataa aagataatat 660  
 atgaaactgt gaagaaaaac aagatgcaat attgagcatg gagtcatgga aaattcctcc 720  
 ccagtagccc gtgacatcag cctgacatgt attctctgct gcgtatcgta cctgtccgta 780  
 cctacatact gtgcgtacga ccgaccacct atccctcgta aagagttaga gaaggcgaca 840  
 ataaagccaa agatagtctt cagcaaggtc caaattttat taattgcgaa aaaggacaga 900  
 gtccttgaa tagaggtcga aatggtgact ctgtaagcgc cgtactccgt acagtaccgt 960  
 ggcttaagct agttggtgag catagatcgg ctccagactt cgcggtgtta gcatcaacat 1020  
 ccaactccaac gcatttcctg gtgaacgccg ccggcctttt atgggtttatc gggctgaatg 1080

ctcaacaaac tccttctctg ggtttggact acttagctta caagctcgga ccggttctcg 1140  
gaaccagtct tgaccctaata gcagggctga accaccatt tttgggcgtc gacccggcta 1200  
gtgttttacg cgagtttgta ttacctagcg tgccttctct ggactagta gctttaacca 1260  
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gtctgtcatt ctttcggaac gggtttttat cccg 1354

<210> 3496  
<211> 647  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 3496

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atgctaacc cttcgctgag tacataact ccatgggtgg ctcttctggg cggtgcgcta 180  
acactatcga cgcattgctc atcctgctag gttaccacaa gaaatagata tactcggtcg 240  
cgtgacctga ccgcatacgt ggctacgagg cccttcacc gcttggacat catggaggct 300  
ccgtagcaga cggagacggg agagctagcg cgcaaccaca ggcttgtcac ggaacgagga 360  
caccttactc tcatgcttag gatgatgacg actgacatga acacgatatc gacctgcacc 420  
aagccatagg ctgtaaaaat agctattgca gaggggccac tgtcaacaag actaatattg 480  
gccacaaca atgcacaaag atggctgcac accagactac gtcgatctgc atcacgcaac 540  
agtccgagaa catgtgaaat ccgtttgacc tctttgctcg cccagcatgg aggcacccgc 600  
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<210> 3497  
<211> 671  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 3497

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accgtctcca gtttcttggg gagaacattg tgtgctaagc cagcgacct cacttgccc 120  
ggatgggccc ccgctatgca cagctccgac acgtcctgac aactagctca ccgaagaagg 180

cccccggtgg ctggcccaag cgcctaata taatatctct agaagagagc gtgacccaca 240  
 cgggcagcca tgcaggataa ctgactccag tgacctctcg ccgcgaaaat cgggtctcag 300  
 cgaactgcat caaaggagga cgcggatgct agccaggaaa cgcacgcat tttctctctt 360  
 gccacatgta atgtaagcct tgatcaaagc ggcataaacc tggccatcca gacgctgaat 420  
 aatgcagaat gttccattgt catcggacac cgcgagtac ctatactcat tatagcactc 480  
 aacagcactc gtcaactcgc cggcggaagc aaaggcgtca atcattgagg ggaagatgga 540  
 ggcgtgaggg gtcaactttgt gagactccat gtgtgcatac acgcgaacca tcgcgtcaac 600  
 cttaccctca gtggcgcagg cactaatcaa atggcggtag gtatcgatcc ctatagttag 660  
 tcgtattatc g 671

<210> 3498  
 <211> 584  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 3498  
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 gacgcggccg atgactggaa tccgtcggca gctctctatc actgtttgga caagttgtcc 120  
 actggggaat gtatcacctt ttgtttacaa catgcgcata cgctggtgag aactacagga 180  
 gggatactgt gggctcggct tatgtgccgc taaccatctt tgatagatcc gggattggta 240  
 ctgcgttcta tccatcccat gactgcatat tttttagttg gacgagtcag aattcagaac 300  
 caccctctac tccatcccc caagcgcccc tgtcttcgtc cataccatgc tggctgcttc 360  
 gtgctgcaag ctttttctgg atcggttggg cttcaccacc agacgtacac tggatcgaac 420  
 ctacgatggg agtaacctcc tttcgagtcg ggactcacia caccttgctg gttgatatga 480  
 ctattatac aggagcacac gagggatgct tagggctcgc gccgtgtccc ttagttgaag 540  
 acgaaaaatc tttggtgcaa tactagacct ggcttgggca cagc 584

<210> 3499  
 <211> 524  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 3499

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 cgtatgcctt cacaagctag acttggcctt cgctcagcca attggccagc ccaaatecgtt 120  
 ttaccaagtt gctgaagcat tggaaccgaa ccatactatc atggaagagg acaatgatgt 180  
 ttatcagctg gctgtgcagg actatcactt cgatactacg gtctcaaaac gtgagggaca 240  
 tctattatgg acaccggggg atttctgact cagccggatc gctgacctca aggctggtag 300  
 ggcacttgta acccgtgtcc tggcatacga tatacccctg tgacatggcg agaagaccac 360  
 aatctggctg actatgttga acctcgcgta ctggatggcc cattacatgc caggacaggg 420  
 cgtgccatca gtcctaggag acctctccgc atcgctaggt gctaaacctt tcatctgtgg 480  
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<210> 3500  
 <211> 413  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 3500  
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 tgctgtaaac catctcggcg cacagcttgt acccctacga tgcccacat ggatctcaca 180  
 gcaactgccc acacactgac atgcgcaaac gagtacataa tgctccatgc actgcatata 240  
 taactcatgc gccaaagtgt cgaaacctat gcgatccgag gagctatctg atgctccagg 300  
 ccggatacct atgggtttcg cctgctgct ctgacttact accccaattt cttgaggtcg 360  
 acaaagtcg aaccgacca atacgatcta gtcactgtat gcctctgac agg 413

<210> 3501  
 <211> 604  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 3501  
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 ttgctcctct cttctataca gctaccgagg acagtagacg ctcagcgcaa agtcaagctc 180

actcttcctc tataagattc ttttaagacat gatggcaacc atattagga gattacgtga 240  
gagattctct caattcggtt ctgacttcta tggccatggc gacaatatgc caggtacgca 300  
aaaccaagga gaaggggaat aacatacttc tcgacaatca tgggggtggcc cttctaaagg 360  
gtcgcaatca cagccacctc cataagacgt cgttgatgag caacttgatt tcttagttga 420  
gccgcatcgc tggattcacc cttatcttctc gtcgcttata gagctagagc agtctgttta 480  
cacgaatccc tatgggttatt cacaacgtct ttgaatgcaa ctaatgcagt cttaaccttg 540  
cgaccgttgg ccgtctatta cgcggagacc acacagcctg taggacatcg tactgtgccg 600  
cagc 604

<210> 3502  
<211> 578  
<212> DNA  
<213> Aspergillus nidulans

<400> 3502

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gcctatccct gtactgtgcc gctgggtctg cctactactg tgacatactg tgcacctgac 180  
ccaaccatat gccaaaggaca ctgatacctg aactatgtca ggaagttcag cccgaccctt 240  
gatcgtgagc aacctattct gtgcaccaag gacgcttctc tgatcgagaa gccaacattg 300  
gccccacgcg aacctattga ccgcacacta ttagatctag tgtgcatagt gcggcgact 360  
tccgtgacta gtcccgatac tctcatgctg ggaatgtata gcccataatg tctggacacc 420  
gattacactc tctcttacag gagctgaaga cgccaagcct tagagggttg tcgtcatata 480  
gacacgacat gtgactcgta ttagaactcg actgattcat aacgattata tgctgtcgcc 540  
atgctggggc gaacggtgat ctgttaccgt agaaaacc 578

<210> 3503  
<211> 518  
<212> DNA  
<213> Aspergillus nidulans

<400> 3503

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 gcgggatcag actaccatc ttcctcgatt gcgcgaccat cgggacgaaa gcagacctca 240  
 gcgggcggcc gtcgccggga gaagcgggga acaagcgctt acaatgttat gaccaacggc 300  
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 tgctcaggca cacacactga ggccggcaac ccagagaact gatgggcata gattgtaccg 420  
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 agctgacctg ctgaagacac attgcagcct gtgagctt 518

<210> 3504  
 <211> 669  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 3504  
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 cgagtgaact ggatgacaaa gatcttcgtg acgggagatg ttctatctct acgggttctt 180  
 atgtgtgggtt tattctttat ctttttctt ctgaactttg tttggttctg tgttttgctt 240  
 gtctcctggtt tttgtttttt tgcggttgtc ttttgtcatt gatctttttt tttctttggt 300  
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 attttctttt cttttttttc attatttctt ttcctttctc ttattcttct ttatttcctt 600  
 gttgcttctt tccttctttc gttcctcttt atgttttttc tttcactttt ttttttcttc 660  
 ttctttttt 669

<210> 3505  
 <211> 502  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 3505

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cgcgaaacccc cagcaaggag ccggcgacaa caccgaaaa accaccgagc agccacacag 180

cgcacacccc aggagccgcc caccaaagga cgaccacgg ggagggggcaa ccgcaacccc 240

cccaagaagc gcacaccgac acacccaaac ccaccgaccc aggcgcaaga aaccgcaaag 300

ggaacacaag ggccggagca cccaacgacg cgccgacaga gaccccaacg aaaacacaaa 360

aagaacacca cggcgggggc cccccgaggg gcaggaaccc caacacacac acagcccaaa 420

agcgacaacc ccaaacccca cccaaggggg acccaggggc agaacaaggc caccagacag 480

ccaagaggca acccccaacc gg 502

<210> 3506

<211> 475

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 3506

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ataccttttt ctactaataa ctgttccgaa tccttttgaa tgaaacgtcg gaccggcttc 240

aaacattatc aaaggatata cccaagggtt attaggcgcc tgcgggggac cgttacatat 300

gctacctact ctttgactgc gccgttcagc ttgacgagta tgctactcgg ctgatcacac 360

caagataatc cactgacgtg gggagtggga tacacggact gacatgatgt taaaagagc 420

gcaggctcat acgatatctt gactggccac taanacgcac tctttttatg accct 475

<210> 3507

<211> 512

<212> DNA

<213> *Aspergillus nidulans*

<400> 3507

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ccagaaaggc gcttggatct attcaggtgc tctagggttc ttcattctccg actataggct 120  
 caccatcag gaaagcatgg ctaacagcta gtttcttata acatgaaggc tggctactcg 180  
 aaataccgta gcacagtttg ggcgtgtcgg aagtgaagaca cgtgttgaat gtctcaagaa 240  
 agggcagttc ttttaaggttc tagtattttg tgaacacctg agtcttctga atgaaagtta 300  
 ggaacaccaa agccataaac cctttttcaa ctctataat tctttatagt tgttgacaag 360  
 gtggtgtgtt gtatatgaat aatcatactc ggcctctgt cgaatgacat caggggtgaa 420  
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 ttaacccac ctcaatttag gtttaattatt ta 512

<210> 3508  
 <211> 478  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 3508

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 gccgactgaa gcttcgcctg gctcttatag ctctcaggcg aacattaggt ggcttttcat 180  
 gcatcgtacg cggatcacac ccgactgtgc gggccctgt gactcgggaa tggatgcact 240  
 aataaccaa tgacgtttga tgtcttgccg cgagtcctga agccacaaga agtctggagt 300  
 gatccattgg aggcaggacg accatgaatg tagaaacagt tctgctgtat aatgccaca 360  
 ggagctcgtg aaacgcggac aactatttat gtccatcaac tctcagaaga cacacctgct 420  
 gagcggaggg ccagtcatac tngatgattc gtgagaggct gagcagggga ctgcctg 478

<210> 3509  
 <211> 510  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 3509

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cgcaaggcat ccaaggacca ctgttgtgct gatccggggg atcatctggc actgcagatg 180  
 gccacaagg ttagggagtg aaccccgagt gaccagggg ataaagaatg gccttgacac 240  
 tcgtgggaag atggctagag cgacagaaga acccagaggc tctgcgacca ggccagaaaa 300  
 gctggactat gctatccacc aggacgtgac cccacccgc tgagtccgtc agtgggacca 360  
 tactgaacac catggtgcat gtgtataaac aatcaacatg agctcggagg gatcaatcac 420  
 acgccgaggg cgtcttgtat gatatccaaa cttacaagg atcaatggca ggagatcctt 480  
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<210> 3510  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 atcgacacgg tcaagagagc acacaactac atcgctcagt agctgcggaa tcatgctata 240  
 cagttcacga cgccacacct gatggagcct gagagtgcac agctgtatcg aactggagcg 300  
 gatacaacga gcaaggggac ctattgtggc cttcgtcttg atctctcgac catggattag 360  
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<210> 3511  
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 <213> *Aspergillus nidulans*

<400> 3511  
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 aagcaggaat acctttgaag cgtgctacca agaacggggc tcgcgtcctt atgtgcctcc 180  
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ctcgtggcaa cacttacgtc atgtccgctg gatattatgc tgcccgcgtc gtcccgcacac 300  
 actggctaca gcgagaagac agacgactgg tccaagagtc taacagcgct attctcctca 360  
 ggagcaattc gaccttccag tttcacactg gaactacact ttaaatacaa caaatcagac 420  
 cgtacttggc tagc 434

<210> 3512  
 <211> 638  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 3512

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 acggataatc cagagtcata cgagtcataa gagcttctgg acggggaacg aggacgattt 180  
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 ttcagaccaa tagatccatc tcaggcgaga atctggaatg tagaagtgag aacgacgcga 480  
 cgatgatgga gccagcgatg cggaaacact aggcggagga ccgagactcg gcgagacgat 540  
 agcacaggca cactgttgct atcgatcctt attgggatga cacctctact ggtatggata 600  
 tacaatgtca ggtctattat tcccgggtac tataactta 638

<210> 3513  
 <211> 522  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 3513

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 gagcttaaca atcacacctt caaccttaaca attcttatat ggggctgatg cccacatcc 180  
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tctagccacc ctgttaacaa gcggacgggtg tctactaact cctacatggg ggccgactgg 300  
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agcatgggcg gccttaagaa cccctgtttt ggcctacaac cacgatctcc gtcgaaggct 420  
tttgcatatc actgcccagg aacttgtaga gcctcatcag cccatgaaca gcnctaata 480  
taaggtgggg gccggtggaa taaccattat tacatttatt tt 522

<210> 3514  
<211> 558  
<212> DNA  
<213> Aspergillus nidulans

<400> 3514

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agaggccatg tatataatc cggcccaagc acatctctat tgcacccgga tctttctcgc 180  
agccaattgc ccttgccctgc tagctgctga gatgatcact actacgcacg accattgatg 240  
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gctggactgg acaggagcat tttgtccctc gggcaggagg acgcgcataa tttcaatggg 360  
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tagccttata ctgcctgttt tacctacgaa ctttggacac gcctaacacc cccttggtga 480  
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tgattccaac cgctctag 558

<210> 3515  
<211> 409  
<212> DNA  
<213> Aspergillus nidulans

<400> 3515

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ggacatacgc tcgaacaacc atcgcgatag acataggacc atttacaccg gcacagatcg 180  
acactcctga tgctggctga cctgcaccga tactgcctat actctttatt gactaaggcg 240

atgtgcacac tgccagatgg ccaagacact ggcttggaca tatacttttc gctgcacact 300  
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accatttat tcatgtccac ccgcatgac ttggctgtct cgcagaact 409

<210> 3516  
<211> 1075  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 3516

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ttcgttcggc gatctcgtct gggttccctt catctacaat ctgcaaacca gataccttgc 180  
aatgttcctt aacgaacttg gcctgcgggg tatcgtcttc gtgctggccc cgacagtcgt 240  
gggatacatg atcttccgcy gtgccaacaa ccagaagaac cgcttccgta ccaaccccaa 300  
cgaccgcggy gtcaaggaca tcaagtacat cgaaactgct tctggctcca agctcatgac 360  
ctctggctgy tggggcctag cccggcacat caactacctc ggcgactggc ttatgtcctg 420  
gtcgtactcc ctgcccaccg gggattccgy ctttgtcatt gtcaacagcy tgagcccgtc 480  
cactggcgaa cttgagaagc gagccgtgca gacaccagag tcgcygggcy cagcttttct 540  
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tgaggagaaa tgcaagaaga agtatggcaa ggacagggat agatatactt ccctcgttcg 660  
cagccccatt atcccaggtg tctactagtc ggtgacaacg gctggattga gttctatttt 720  
gattgacatt aacatattaa tatatacact atattgtctt tatatccaag gcgcctagtg 780  
gcagaaggct tgaaatggca ggggaaaaag tttatgtact ttaagaatct acaacaggac 840  
tgtacgatat gaactatcgc ttgctcttct ttgaacctt tggatccatc acaacgggaa 900  
cccccttag attaaaaagc tttccccctg atccatcttc acccccactg cttatgcccg 960  
ttattaggca cccaccggc caaatattct tcgagcattc aaggcctgcc tttagcaaga 1020  
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<210> 3517  
<211> 389

<212> DNA  
 <213> Aspergillus nidulans

<400> 3517

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 agttgggatg gtcaataaaa ccatttttacg taagtcagat gagggaaaaa tacttttacag 180  
 tgaatgacta ctcacgggca cttggatcgt ctatccatga gactgtagtg aatacactca 240  
 ctactggaga aaggttgaat acaggagaac aacaattatg gtcctaaagc ggggatgaca 300  
 tacgagaagc atggacaacc aaggtggttg ggtactgagc gaaaagactt ctgtgtaggg 360  
 cagataagcc agttccaaac ggacaagac 389

<210> 3518  
 <211> 1411  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 3518

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 ttgtccatat gttgcgagag atccaggtat ataggcgac gcggttcgag cgcagcaata 180  
 ttctgcctcc gtggcggatt gctgggaaac acggtcgtca ggaaatcaga cgggttcgcc 240  
 ccggggtaga gggcccagcg gtcgtggcgg atgggctgaa aatcgagatc ctgccgctcg 300  
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 cgccgtcgct gttcctcagc gaccgggtcg taccgatcca cttcgcgac cacggteccc 420  
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 cttcaacgg cttggatata ttcactgcca cactgccgt catcaccgtc atttggtggc 600  
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 ttgagatgtg aaggagcgtt actagcaatg gctgcgttta tggactcttt tggctcggt 780  
 tctgtagcgt atccgtgacc tgtatgggtg ttattgcgct tataactatt tgggtggataa 840

gcttattcac acctttttta attaacaaac cagcctgac tatgaactat tttcatctag 900  
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 ttctatctaa ctactttctt ctcttattat c 1411

<210> 3519  
 <211> 469  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 3519

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 aagggagggt aagatgcttt cagcaggacc agttcatgcc agcagcaact ctaacccttg 180  
 agaataccca tgaggactat agatcctgaa gcctttgacc gggctgtctt aactgagact 240  
 aatcttgggt cagcgaatgt gctgatgtcc caatccttgt cgttacgggtc aacagactgg 300  
 aacattatga gggctagggt gacacataca tacccttagc cggttaattc acgaatcatt 360  
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 ctggtgcgta atagatgcgg catgcaggcc gatatactct ggattgccc 469

<210> 3520  
 <211> 510  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 3520

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atggggggcgt tcggggggcct ccggcactct gtctgggtggg ccatgcttac ggctggaact 180  
tgaggcaact ctctcggagc tcctgcagct gtgaatatgc tgtgtctgac cagcgtccac 240  
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cccccgagac cgattatcac ttgttgacgc gacgcagctg ggaaccatac tgatatgaca 420  
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gatcgtggct acgtgcatgg atcgacacct 510

<210> 3521  
<211> 800  
<212> DNA  
<213> Aspergillus nidulans  
<400> 3521

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aaattgctga tttctttcac actgaagtta aagaaacaag attaaataga tctactccag 180  
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aatatccatt gtttggaact aagtatttag attctataga ttgaatgaaa gttgtagatt 300  
tatttaataa tggatgaacat aaaactgaat taggtaaaga aaaaatttta aatataaaat 360  
ctaatatgaa tgataaaaga actgttttta cttgagatca tttacaaaat tttacaaat 420  
tgaaaatata aaatatagtc caaacaattt cgagagaaat tgagtgtcta ccttaaataa 480  
cttaccctaa ggggtaagtt tttttgaaac aagttttata cttatagtat gggattttat 540  
tcgttcacca atatattggg ttttcctttg gttaaccgtt gaaccttatt cctatttttc 600  
aaaaacttgt ggggggatcc ttttttcaac cttttttgtc tttggccctt gggtaaattt 660  
tgttttaatt actattttct cccgtaagta aattatacta cttatgccca gaaaagtatt 720  
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 <211> 1022  
 <212> DNA  
 <213> Aspergillus nidulans  
  
 <223> unsure at all n locations  
 <400> 3522

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 ccaaaaagttt gcacagcctg ctgctctgag tcagatcggg agcctagggt tgctggcgcc 180  
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 cagctgaacc ttggcngaaa ccgcaaaacc gcatatgcag cattcaacca attgactgat 900  
 aatggcgtaa cagctatccc tgggaaaatc ataatgcact gacaagcagg aatgctaagc 960  
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<210> 3523  
 <211> 575  
 <212> DNA  
 <213> Aspergillus nidulans  
  
 <223> unsure at all n locations  
 <400> 3523

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tcaattcccc atttggaac ctggtctgct cgcttcttcg cctccggcca ctcgagtgcc 240  
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gggaacaccc cagagcgtat aacacttctt caacgtggga cagccgacaa gagaggtaaa 480  
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aaataatggt gaggggcatg gaggggaatg cgctg 575

<210> 3524  
<211> 632  
<212> DNA  
<213> Aspergillus nidulans

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cagactgtgc gacacatgct gactgctagc tcgtatttat acatgatgca ctcgtaaaaa 180  
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tgcagtccca atacggactt agacggcaga tactcactaa gaatccaaga ctgctccagt 540  
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<210> 3525  
<211> 1266  
<212> DNA  
<213> Aspergillus nidulans

<400> 3525

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ccaagtctat ttcattatta ttattaaaat aataataatt attatacata ttactaaaata 420  
attaattaag atgttgggca tgattaaagg attattgtta gcaatactca ctttttagtc 480  
gttgaacggt ctttattttt tagaaaagta attgataatt actatttcat tgctaaaaat 540  
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atcatattaa ttaagataat atacaaaatt aatatgacaa aaaactttta aatattaaag 840  
ttttaaatat atctattaac catatagtta aaatcttact tagataaaaa taaatatttg 900  
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aataaaaatta caaatttaca atatgaactt tggatatacc caggtatttt ttgtggatct 1020  
gtgccccgat aaccgccttc catcttcaaa gctatttaag aaccaattag gttgttaatg 1080  
tatcttcaac acctaatctt gaaacatcta aattaatttt gcactgaaca gaaagtgaac 1140  
gggctttttt ttttagaggac agttctgctg tttcaattat ggaaatattg aacgtgtgtt 1200  
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tttaca 1266

<210> 3526

<211> 502

<212> DNA

<213> *Aspergillus nidulans*

<400> 3526

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 cggaccctaa cgacacactc tgctgaagcg atttggcgca actccgtttc cctgccgacg 420  
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<210> 3527  
 <211> 572  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 3527  
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 caagcctact gcaacagcct tgaggagggtt acttgctctc aagtgaagct gaacccttct 180  
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 gatatgattt cccactggac actaggcgat actaacagat cgccaacgag taagatgagt 300  
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 cgagtgggtc cactacactg cccccgacga acgagtgatg attacctccc gataactacg 420  
 tagtgagggtg tgcactataa ctactggtaa tggagagcct catcggggat cagcaacaaa 480  
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<210> 3528  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 3528

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 gtttgctatg ccaaagatac aatacctgct gcacgattga actattatag aggccttata 180  
 gtaccgatga gtcctactag ctgcctgtta gatgccatga ctccatctga tgcgatcgca 240  
 tccagaacat actgattaca acagggggta cgttcagatt ccacttccga tatcatcata 300  
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 tattgatccg gtcctactag ccgctgagac cgacctacat ccaccctgag gagcattttcg 420  
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<210> 3529  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 3529

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 atgtttatag agccgctcac tacgcaggcc tggaactctt aagagaaaat cggatcgcg 240  
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 gcaaccgaac cttcaacccc accgtcgtgt gattaaagac aggtgcccac catctgactc 360  
 ggatatcaga tggttgaact gatggtgtac caccattcca taaacggntg ccatgacttt 420  
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 <213> Aspergillus nidulans  
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<212> DNA  
<213> Aspergillus nidulans

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gcaggaggat caaaaccaac ccagaaaacg atgcacacgt acaactcagt acgcaccgat 180  
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<212> DNA  
<213> Aspergillus nidulans

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gggcgacgct gctatggacc agctttatag gatgctggtc actggacggg acagcgcgct 360  
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 ggctcctggc accggtctct tcggagcggg acatgtcata acatgactag ggagccctgc 180  
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 gggcagtata caacgaggat ccagtcggca tgcttccaag cgttgatgac acgcctcggc 300  
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 gcgtacgcct gtgcgccata tgactctgct tacctaattt acgggcagat agagcctacc 420  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 cagagtccct cgtgagacac atcttcatga tacacgcaga gagccactaa tcttgtgtga 180  
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cagtgccaac atactatctt cgatgacaga gctgtgcatt gctaactctg attactatgc 300  
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 caacttactg ctctctataa ttgacccatg gcacaatagc ttctactaag gcaccctgag 420  
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<210> 3535  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 3535  
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 cgtcggccaa ctccaacagc ccgtaccaat cccaccaaca tcagtcttat gttctatctc 180  
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 cggttcggaa ctatattctg caacttgccg ttattcaaca agtttttcgc tcggaaactt 720  
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<210> 3536  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 3537  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 gcatagttaa ccatgacatg gacggccgca agcatgtcat cgccacttcg cttagaatca 240  
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acagtgtctc gttccaactc gacaacaacc tgctcaaagt ttatgatctt gccatcgcg 480  
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tt 842

<210> 3538  
<211> 2022  
<212> DNA  
<213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

<400> 3539

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<210> 3540  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 3540

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<223> unsure at all n locations  
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<400> 3553

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<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<213> *Aspergillus nidulans*

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